

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10	CHUGG.IN. AND KEITH.IN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/17 10:29
L2	0	ANASTASOPOULOS.IN. AND ACHILLEAS.IN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/17 10:29
L3	625	375/329.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/17 10:29
L4	1617	375/340.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/17 10:29
L5	1173	375/341.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/17 10:30
S1	35	"adaptive iterative"	US-PGPUB; USPAT	OR	OFF	2004/06/07 08:35
S2	1	"adaptive iterative".ti.	US-PGPUB; USPAT	OR	OFF	2004/06/07 08:35
S3	2	"iterative detection".ti.	US-PGPUB; USPAT	OR	OFF	2004/06/07 08:36
S4	0	"09/765516"	US-PGPUB; USPAT	OR	OFF	2004/06/07 08:36
S5	0	"10/105236"	US-PGPUB; USPAT	OR	OFF	2004/06/07 08:37
S6	1	"adaptive iterative".ti.	US-PGPUB; USPAT	OR	OFF	2004/06/07 08:39
S7	6	"chugg".IN.	US-PGPUB; USPAT	OR	OFF	2004/06/07 10:24
S8	463	"SISO"	US-PGPUB; USPAT	OR	OFF	2004/06/07 10:24
S9	94	"SISO" AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/07 10:50
S10	199	"soft decoding"	US-PGPUB; USPAT	OR	OFF	2004/06/07 10:50
S11	40	"soft decoding" AND recur\$	US-PGPUB; USPAT	OR	OFF	2004/06/07 10:50
S12	8	("soft decoding" AND recur\$) AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/07 10:52
S14	17	((forward ADJ3 recur\$) AND (backwar\$ ADJ3 recur\$)) AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/07 10:56

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S15	85	((forward ADJ3 recur\$) AND (backwar\$ ADJ3 recur\$)) AND iterative	US-PGPUB; USPAT	OR	OFF	2004/06/07 11:00
S16	5	((forward ADJ3 recur\$) AND (backwar\$ ADJ3 recur\$)) AND iterative) AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/07 11:01
S17	4767	"markov"	US-PGPUB; USPAT	OR	OFF	2004/06/07 11:01
S18	0	"markov" AND recursive]	US-PGPUB; USPAT	OR	OFF	2004/06/07 11:01
S19	920	"markov" AND recursive	US-PGPUB; USPAT	OR	OFF	2004/06/07 11:01
S20	169	("markov" AND recursive) AND iterative	US-PGPUB; USPAT	OR	OFF	2004/06/07 11:01
S21	50	("markov" AND recursive) AND iterative) AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/07 11:10
S22	167	"5721745".pn. "6014411" "4791665".pn. "4811360".pn. "5199047".pn. "5452351".pn. "5475710".pn. "5479444".pn. "5519727".pn. "5533066".pn. "5539815".pn. "5648991".pn. "6002716" "5442627".pn. "5583889".pn. "5600677".pn. "5629958".pn. "5636251".pn. "5933462" "5349589".pn. "5369671".pn. "5406570".pn. "5577053".pn. "5721746" "5349589".pn. "5369671".pn. "5406570".pn. "5446747".pn. "5577053".pn. "5721745"	US-PGPUB; USPAT	OR	OFF	2004/06/07 11:47
S23	28	("5721745".pn. "6014411" "4791665".pn. "4811360".pn. "5199047".pn. "5452351".pn. "5475710".pn. "5479444".pn. "5519727".pn. "5533066".pn. "5539815".pn. "5648991".pn. "6002716" "5442627".pn. "5583889".pn. "5600677".pn. "5629958".pn. "5636251".pn. "5933462" "5349589".pn. "5369671".pn. "5406570".pn. "5577053".pn. "5721746" "5349589".pn. "5369671".pn. "5406570".pn. "5446747".pn. "5577053".pn. "5721745" ) AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/07 13:22
S24	0	"forward channel estimator"	US-PGPUB; USPAT	OR	OFF	2004/06/07 13:22

## EAST Search History

S25	928	"channel estimator"	US-PGPUB; USPAT	OR	OFF	2004/06/07 13:24
S26	0	"backward channel estimator"	US-PGPUB; USPAT	OR	OFF	2004/06/07 13:23
S27	14	"channel estimator" AND "soft decoding"	US-PGPUB; USPAT	OR	OFF	2005/05/09 16:30
S28	1	("channel estimator" AND "soft decoding") AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/07 13:23
S29	144	"channel estimator" AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/08 08:18
S30	27	"channel estimator" AND @pd<"20000118" AND "iterative"	US-PGPUB; USPAT	OR	OFF	2004/06/07 15:04
S31	65	"5442627".pn. "5583889".pn. "5600677".pn. "5629958".pn. "5636251".pn. "5933462"	US-PGPUB; USPAT	OR	OFF	2004/06/07 15:19
S32	0	"iterative soft decoder"	US-PGPUB; USPAT	OR	OFF	2004/06/07 15:20
S33	7	"iterative decoder" AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/07 15:34
S34	1	"soft-in/soft-out" AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/07 15:34
S35	43	"soft-in/soft-out"	US-PGPUB; USPAT	OR	OFF	2004/06/07 15:39
S36	148	"iterative decoder"	US-PGPUB; USPAT	OR	OFF	2004/06/07 15:47
S37	0	"min/sum"	US-PGPUB; USPAT	OR	OFF	2004/06/08 08:30
S38	54	"decision directed" WITH "PLL"	US-PGPUB; USPAT	OR	OFF	2004/06/08 08:32
S39	20	("decision directed" WITH "PLL") AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/08 08:41
S40	777	"minimum" ADJ "sum"	US-PGPUB; USPAT	OR	OFF	2004/06/08 08:42
S41	0	"minimum" ADJ "sum" ADJ "operator"	US-PGPUB; USPAT	OR	OFF	2004/06/08 08:43
S42	4771	"trellis"	US-PGPUB; USPAT	OR	OFF	2004/06/08 08:43
S43	693	"trellis" AND operator	US-PGPUB; USPAT	OR	OFF	2004/06/08 08:43
S44	234	("trellis" AND operator) AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/08 10:41
S45	148	"trellis based"	US-PGPUB; USPAT	OR	OFF	2004/06/08 10:42

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S46	16	"trellis based" AND @pd<"20000118" AND "375"/\$. CCLS.	US-PGPUB; USPAT	OR	OFF	2004/06/08 11:26
S47	68	"5442627"	US-PGPUB; USPAT	OR	OFF	2004/06/08 14:14
S48	0	"parallel convolutional concatenated code"	US-PGPUB; USPAT	OR	OFF	2004/06/08 14:14
S49	40	"parallel" WITH " concatenated code"	US-PGPUB; USPAT	OR	OFF	2004/06/08 14:15
S50	8	("parallel" WITH " concatenated code") AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/08 15:27
S51	63	"kalman filter" AND viterbi	US-PGPUB; USPAT	OR	OFF	2004/06/08 15:28
S52	20	("kalman filter" AND viterbi) AND @pd<"20000118"	US-PGPUB; USPAT	OR	OFF	2004/06/08 15:29
S53	93	"5,305,349"	US-PGPUB; USPAT	OR	OFF	2004/06/09 08:24
S54	0	"least mean-square" WITH "Trellis"	US-PGPUB; USPAT	OR	OFF	2004/06/09 08:25
S55	6	"least mean square" WITH "Trellis"	US-PGPUB; USPAT	OR	OFF	2004/06/09 08:25
S56	172	(forward ADJ3 recur\$) AND (backward ADJ3 recur\$)	US-PGPUB; USPAT	OR	OFF	2005/05/09 15:27
S57	3	("4562463"   "5383013"   "5740337").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 16:17
S58	4	("20020029362"   "5442627"   "5933462"   "6598204").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 16:18
S59	3	("5933462"   "6381728"   "6484283").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 16:19
S60	1	("6829313").URPN.	USPAT	OR	ON	2005/05/09 16:19
S61	3	("4972475"   "6028899"   "6161209").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 16:22
S62	5	("5442627"   "5583889"   "5600677"   "5629958"   "5636251").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 16:28
S63	423	"channel estimator" AND viterbi.	US-PGPUB; USPAT	OR	OFF	2005/05/09 16:46
S64	210	S63 AND @ad<"20010101"	US-PGPUB; USPAT	OR	OFF	2005/05/09 16:53
S65	144	forward ADJ recursion	US-PGPUB; USPAT	OR	OFF	2005/05/09 16:54

## EAST Search History

S66	85	S65 AND viterbi	US-PGPUB; USPAT	OR	OFF	2005/05/09 16:53
S67	12	S66 AND "impulse response"	US-PGPUB; USPAT	OR	OFF	2005/05/09 16:54
S68	12	S66 AND "impulse"	US-PGPUB; USPAT	OR	OFF	2005/05/09 16:53
S69	156	backward ADJ recursion	US-PGPUB; USPAT	OR	OFF	2005/05/09 16:55
S70	17	S69 AND impulse	US-PGPUB; USPAT	OR	OFF	2005/05/10 07:54
S71	639	vartanian	US-PGPUB; USPAT	OR	OFF	2005/05/10 07:55
S72	23	perilla AND jason	US-PGPUB; USPAT	OR	OFF	2005/05/10 07:55
S73	30	vartanian AND harry	US-PGPUB; USPAT	OR	OFF	2005/05/10 09:02
S74	1007	375/341.ccls.	US-PGPUB; USPAT	OR	OFF	2005/05/10 09:03
S75	736	S74 AND @ad<"20010101"	US-PGPUB; USPAT	OR	OFF	2005/05/10 09:03
S76	209	S75 AND "impulse response"	US-PGPUB; USPAT	OR	OFF	2005/05/10 09:30
S77	52	S76 AND forward	US-PGPUB; USPAT	OR	OFF	2005/05/10 09:30
S78	16	S77 AND backward	US-PGPUB; USPAT	OR	OFF	2005/05/10 09:31
S79	92	(forward ADJ channel) AND (backward ADJ channel)	US-PGPUB; USPAT	OR	OFF	2005/05/26 15:09
S80	26	(forward ADJ estim\$) AND (backward ADJ estim\$)	US-PGPUB; USPAT	OR	OFF	2005/05/26 15:52
S81	0	"forward channel estimator" AND "backward channel estimator"	US-PGPUB; USPAT	OR	OFF	2005/05/26 15:55
S82	0	"forward channel estimator" AND "backward channel estimator"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/26 15:58
S83	0	forward ADJ paramter\$	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/26 15:58
S84	150	forward ADJ parameter\$	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/26 15:58
S85	3	S84 AND (backward ADJ parameter\$)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/26 15:59